

ROCKY FLATS PLANT
NEPA DIVISION, PLANT REVIEW
CATEGORICAL EXCLUSION WORKSHEET

1. Date: 10/1/91
2. Activity/Project Name: IAG Site Characterization Activities in Floodplains/Wetlands for OUs 1, 2, 5 and 6 and the Geologic Characterization Program
3. Authorization or EJO:
5. NEPA Division Reviewer: Bill Moore
6. Categorical Exclusion Proposed:

"Site characterization and environmental monitoring, including siting, construction or operation of characterization and monitoring devices, under CERCLA and RCRA, if the activities would not . . . adversely affect environmentally sensitive areas . . ."

NOTE: EC 59-91, ("IAG Site Characterization Activities") was reviewed by NCC on May 22, 1991. That project was recommended for a CX under the same exclusion proposed here. The current activities are a sub-set of the activities included in the earlier EC. In reviewing the proposed CX, DOE HQ determined (in RFO/CX-017-91, copy attached) that the CX would only apply to site characterization activities outside floodplains and wetlands. HQ directed that another proposed CX be prepared for the work in floodplains, describing what effects, if any, such work would have on the floodplain/wetlands so it could be determined if a CX were applicable to the floodplain/wetland work. The present document is that second proposed CX

Would the proposed action:

7. Adversely affect federally-listed endangered, threatened, or proposed candidate species, or state-listed endangered or threatened species or their habitat?

No.
8. Adversely affect floodplains or wetlands?

No
9. Threaten public health or safety?

No
10. Have possible effects on the environment which are likely to be highly controversial?

No

ADMIN RECORD

A-DU05-000048

11. Have possible effects on the environment which are highly uncertain or involve unique or unknown risks?

No

12. Establish a precedent for future actions that will have significant effects, or represent a decision in principle about a future consideration?

No

13. Be substantially related to other actions that have individually insignificant but cumulatively significant impacts?

No

14. Adversely effect federal, state, or locally designated natural areas, prime agricultural land, special water sources, or historic, archeological, or architectural sites?

No

15. Other comments.

Of the various aspects of the project, drilling is the most disruptive. Drilling will take place in, but have no adverse effects on, the 100-year floodplain. It is possible that some drilling may also take place in wetlands but the activity is of such a nature as to cause no adverse effects to wetlands.

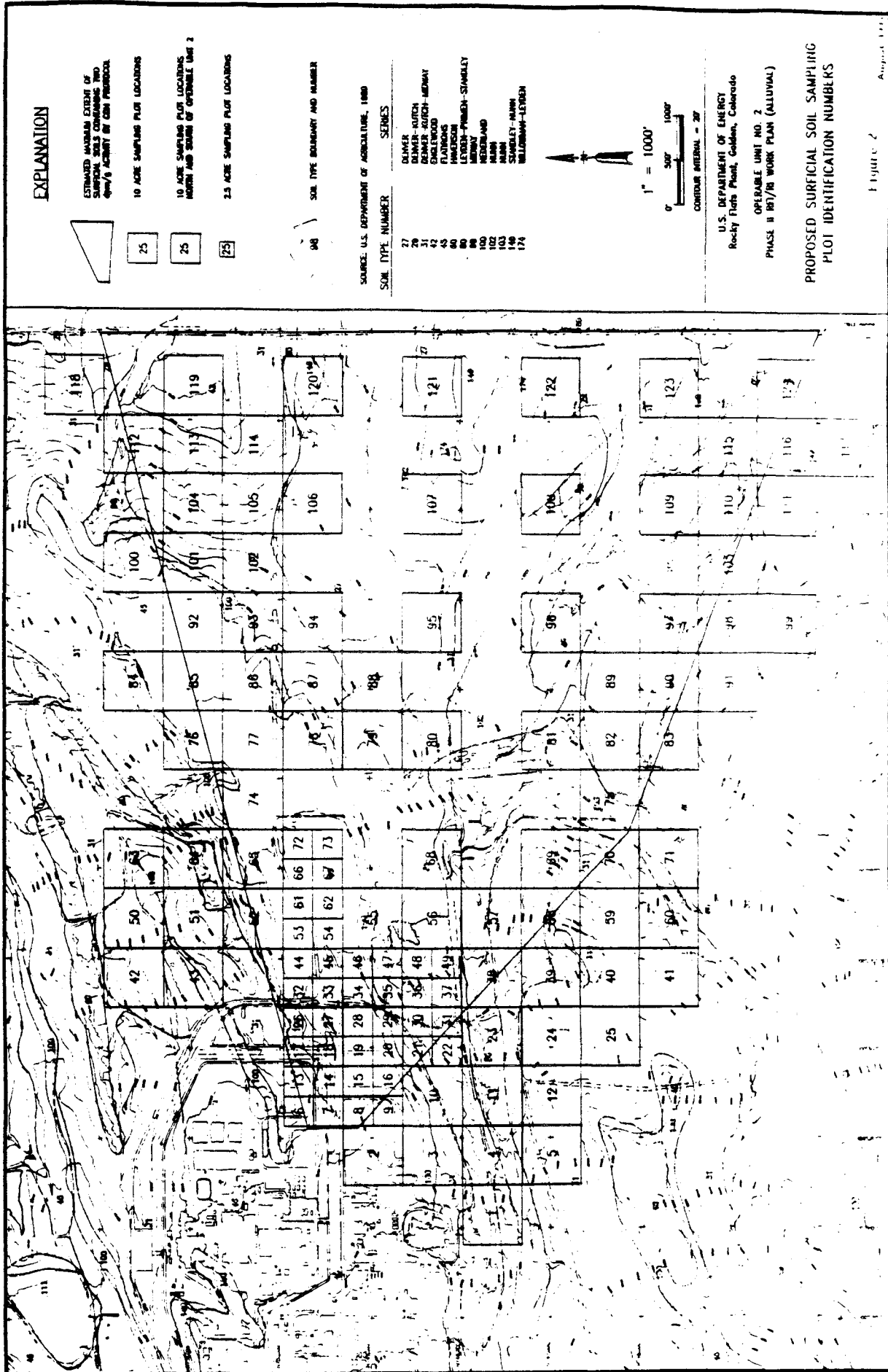
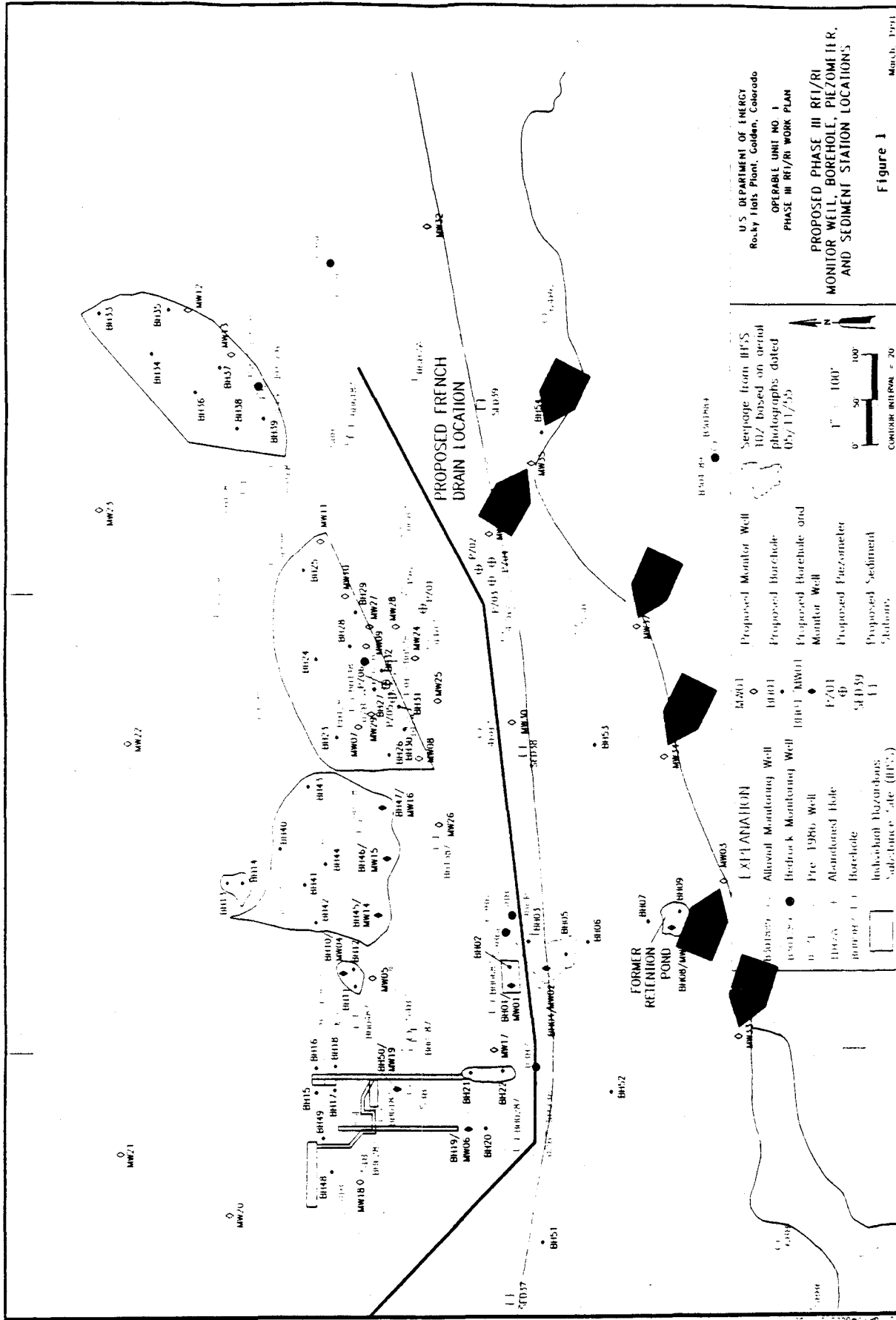
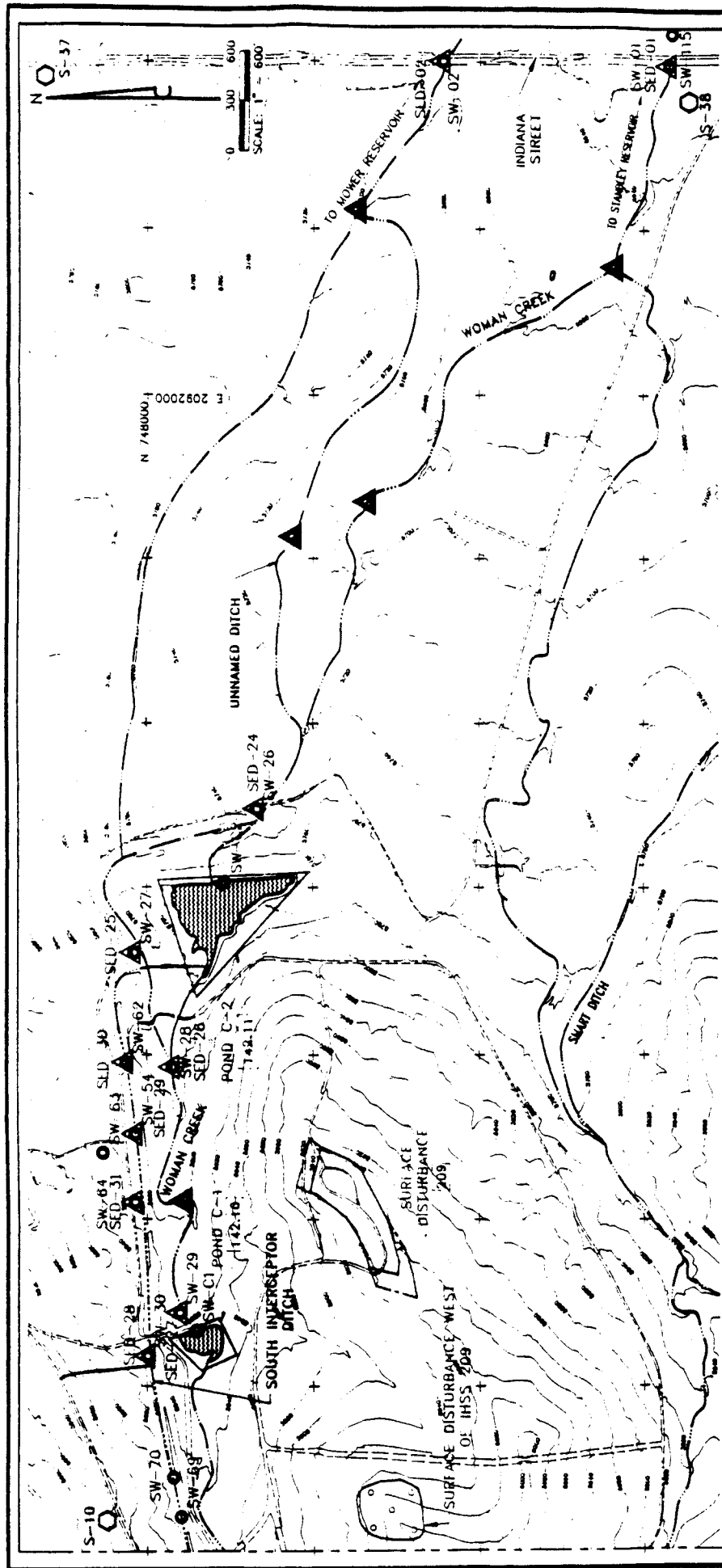


Figure 2 August 1981



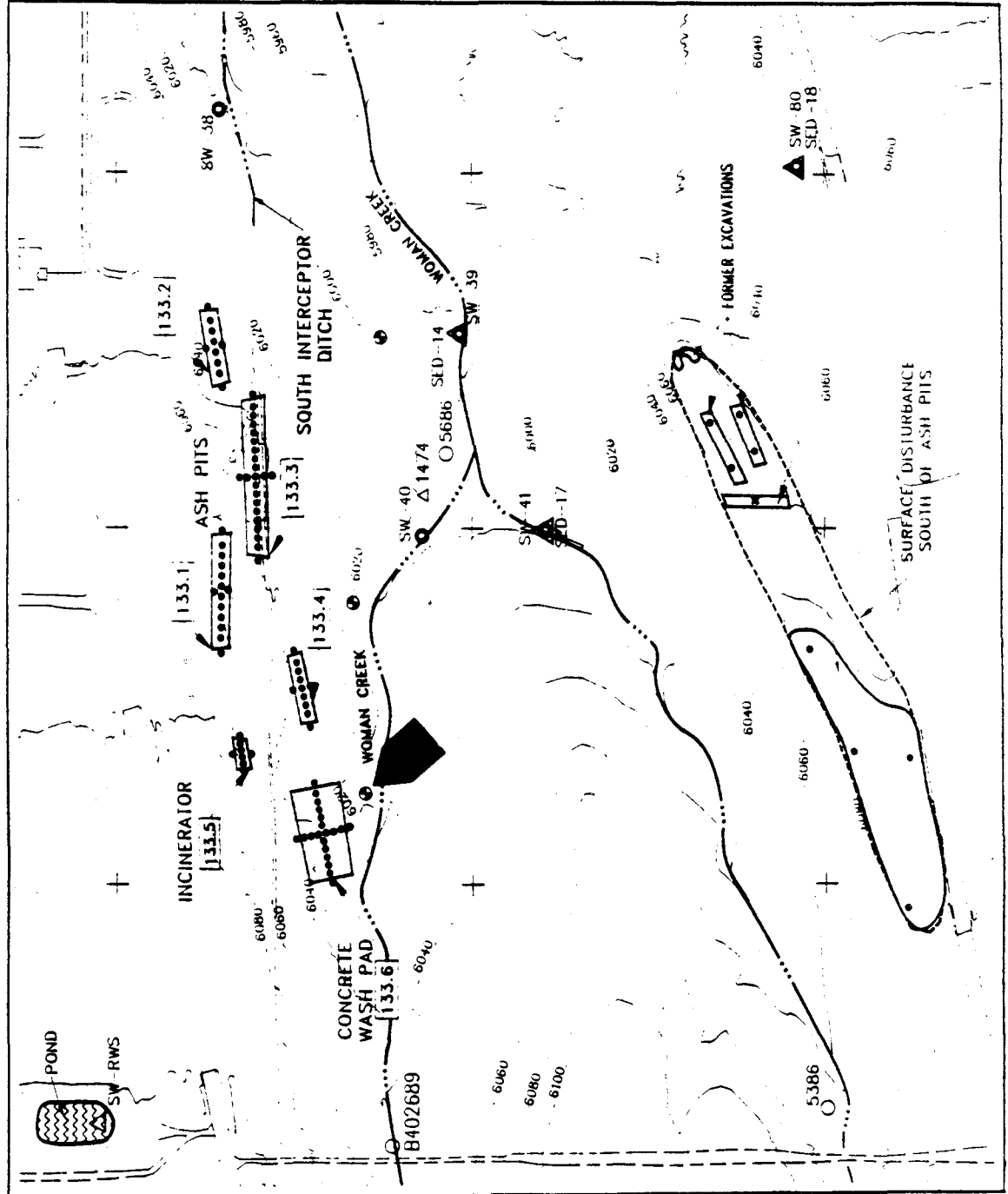


MATCHLINE
(SEE FIGURE 7-2 [1 OF 2])

EXPLANATION

- (105) INDIVIDUAL HAZARDOUS SUBSTANCE SITE S-23
- SW 10 EXISTING SURFACE WATER LOCATION
- SED 1 EXISTING SEDIMENT SAMPLING LOCATION
- INTERMITTENT STREAM
- DIRT ROAD
- PRELIMINARY EXTENSION OF THE SURFACE DISTURBANCE BASED ON A RECONNAISSANCE
- ORIGINAL STREAM CHANNEL (NEAR POND C-2)

U.S. DEPARTMENT OF ENERGY
Rocky Flats Plant, Golden, Colorado
OPERABLE UNIT 5
PHASE 1 RFI/RI WORK PLAN
SEDIMENT & SURFACE WATER
SAMPLING SITES & AIR MONITORING
STATIONS ALONG WOMAN CREEK AND
THE SOUTH INTERCEPTOR DITCH
REV. AUGUST 1991
MARCH 1991
Figure 5



EXPLANATION

- INDIVIDUAL HAZARDOUS SUBSTANCE SILL
- EXISTING SURFACE WATER SAMPLING LOCATION
- EXISTING ALLUVIAL GROUNDWATER MONITORING WELL
- EXISTING SEDIMENT SAMPLING LOCATION
- PHE 1986 MONITORING WELL
- PROPOSED SOIL BORING LOCATION
- PROPOSED WELL LOCATION
- PROPOSED SURFACE SAMPLING LOCATION
- INTERMITTENT STREAM
- DIRT ROAD

*ALL PROPOSED LOCATIONS ARE APPROXIMATE

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PHASE 1 REI/R1 WORK PLAN

PROPOSED SAMPLING & WELL LOCATIONS,
ASH PITS 1-4, INCINERATOR,
CONCRETE WASH PAD (HSS 133.1-6),
AND ADDITIONAL SURFACE DISTURBANCE

Figure 6

REV AUGUST 1991
MARCH 1991



EXPLANATION

- INDIVIDUAL HAZARDOUS SUBSTANCE SITE
- EXISTING SURFACE WATER SAMPLING LOCATION
- EXISTING ALLUVAL GROUNDWATER MONITORING WELL
- EXISTING SEDIMENT SAMPLING LOCATION
- EXISTING BEDROCK GROUNDWATER MONITORING WELL
- POND/RAVE DEPRESSION
- INTERMITTENT STREAM
- DIRT ROAD
- PRELIMINARY EXTENSION OF THE SURFACE DISTURBANCE BASED ON A SITE RECONNAISSANCE
- ORIGINAL STREAM CHANNEL NEAR POND C-2
- PROPOSED SURFACE SAMPLE LOCATION
- PROPOSED WELL LOCATION*
- PROPOSED SEDIMENT SAMPLING LOCATION**

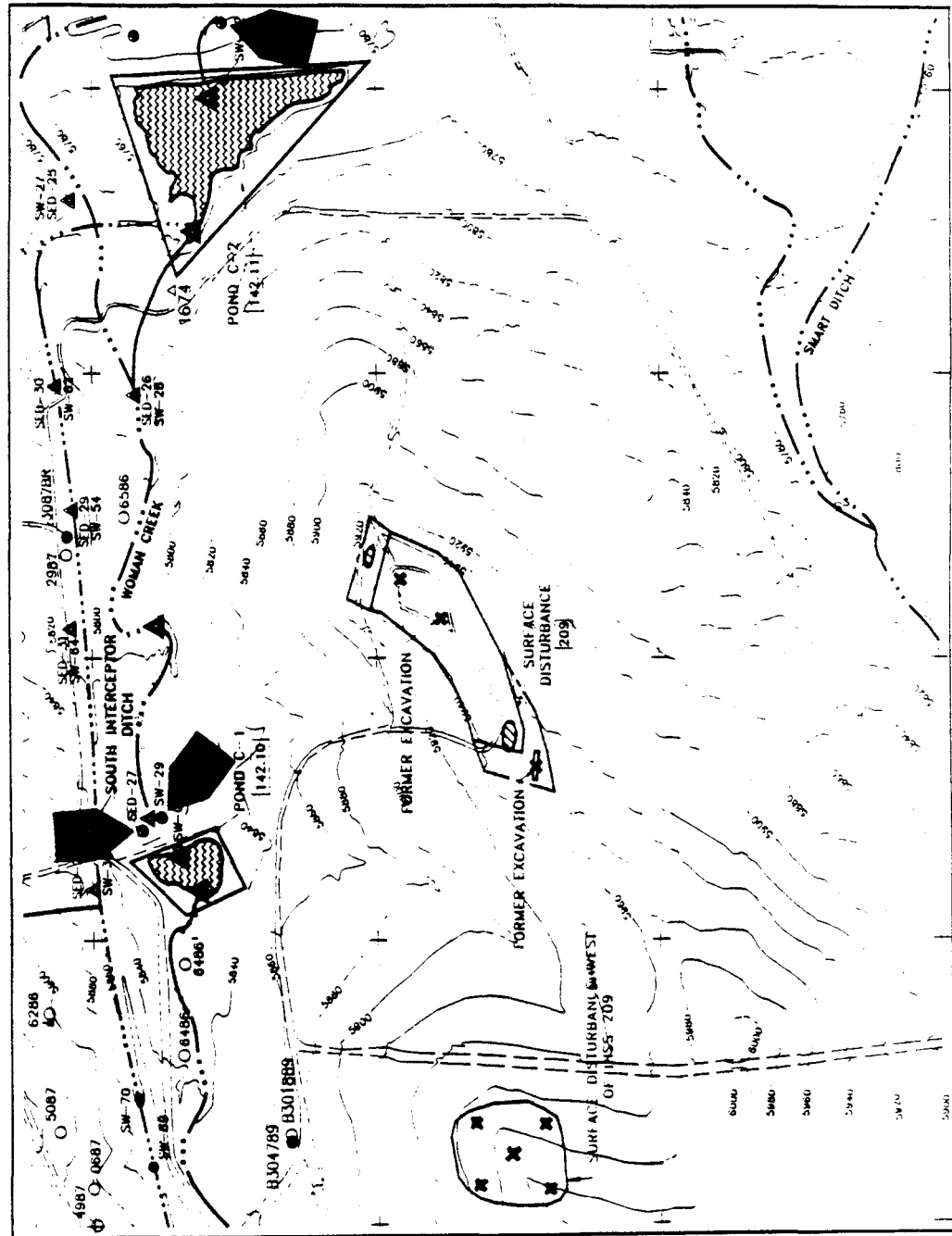
* **3 OTHER LOCATIONS IN EACH POND WILL BE SELECTED AT RANDOM
 **ALL PROPOSED LOCATIONS ARE APPROXIMATE

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PROPOSED SAMPLING & WELL LOCATIONS,
 IHSS 142.10-11, PONDS C-1 & C-2,
 IHSS 209 SURFACE DISTURBANCE, & IHSS
 SURFACE DISTURBANCE WEST OF
 IHSS 209

Figure 1
 REV. AUGUST 1991
 MARCH 1993



1
AND
ON

0 100 200
SCALE: 1" = 200'

SW 1	INDIVIDUAL HAZARDOUS SUBSTANCE SITE
5/86	EXISTING SURFACE WATER SAMPLING LOCATION
SE-0-17	EXISTING ALLUVAL GROUNDWATER MONITORING WELL
3087	EXISTING SEDIMENT SAMPLING LOCATION
	EXISTING BEDROCK GROUNDWATER MONITORING WELL

--- DRY ROAD

----- INTERMITTENT STREAM

1, 968 1 ROCKY FLATS BLDG NO

☐ PROPOSED SOIL GAS SURVEY LOCATION:

PROPOSED WELL LOCATION:

* PROPOSED SURFACE SAMPLING LOCATION¹

PROPOSED BORING AND SURFACE SAMPLING
LOCATION:

ALL PROPOSED LOCATIONS ARE APPROXIMATE

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OPERABLE UNIT 6

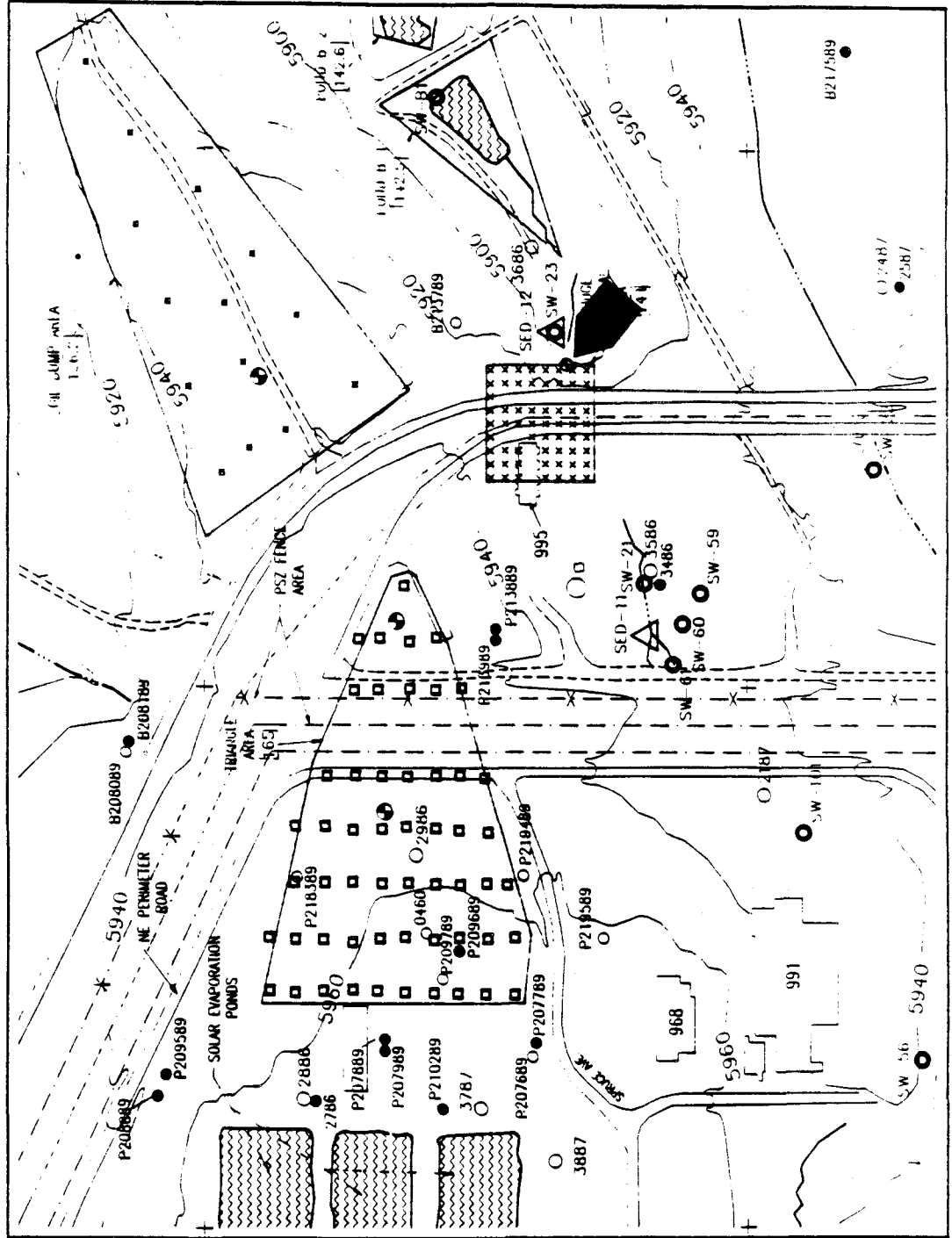
PHASE 1 RFI/RI WORK PLAN

PROPOSED SAMPLING AND WELL LOCATIONS

WELL LOCATIONS
IHSS 141 SLUDGE DISPERSAL

IHSS 165 TRIANGLE AREA
IHSS 166.2 SOIL DUMP AREA

Figure 8
April 1951



DRAFT
FOR COMMENTS AND
DISCUSSION ONLY



EXPLANATION

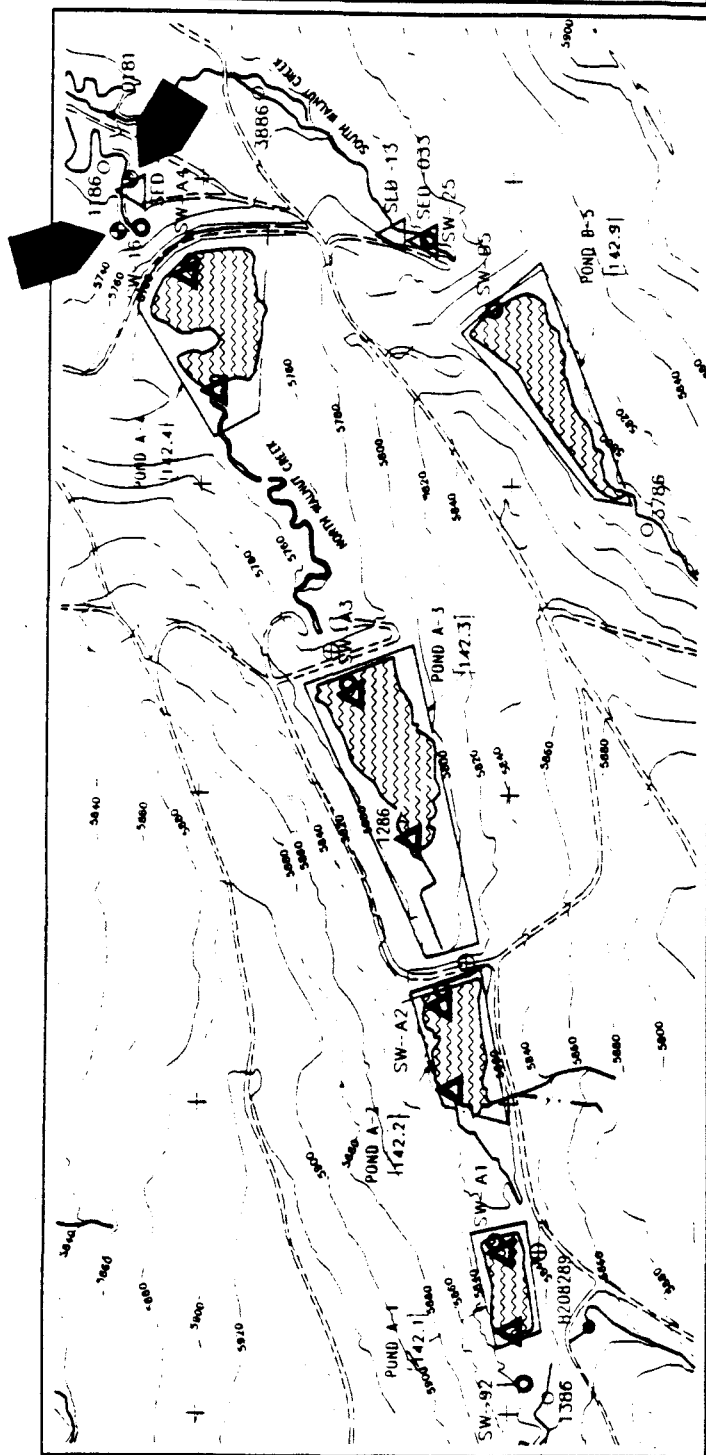
- INDIVIDUAL HAZARDOUS SUBSTANCE SITE
- EXISTING SURFACE WATER SAMPLING LOCATION
- EXISTING ALLUVAL GROUNDWATER MONITORING WELL
- EXISTING SEDIMENT SAMPLING LOCATION
- EXISTING BEDROCK GROUNDWATER MONITORING WELL
- EXISTING PRE-1986 WELL
- INTERMITTENT STREAM
- DIRT ROAD
- PROPOSED WELL LOCATION¹
- PROPOSED SEDIMENT SAMPLE LOCATION¹
- PROPOSED BEDROCK WELL LOCATIONS FOR SITE-WIDE GEOLOGICAL CHARACTERIZATION PROGRAM¹ These wells are shown in figure 11.

¹ ALL PROPOSED LOCATIONS ARE APPROXIMATE

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PHASE 1 RFI/RI WORK PLAN

PROPOSED SAMPLING & WELL LOCATIONS
IHSSs 142.1-4
A-SERIES DETENTION PONDS
ALONG NORTH WALNUT CREEK

Figure 9 APRIL 1991



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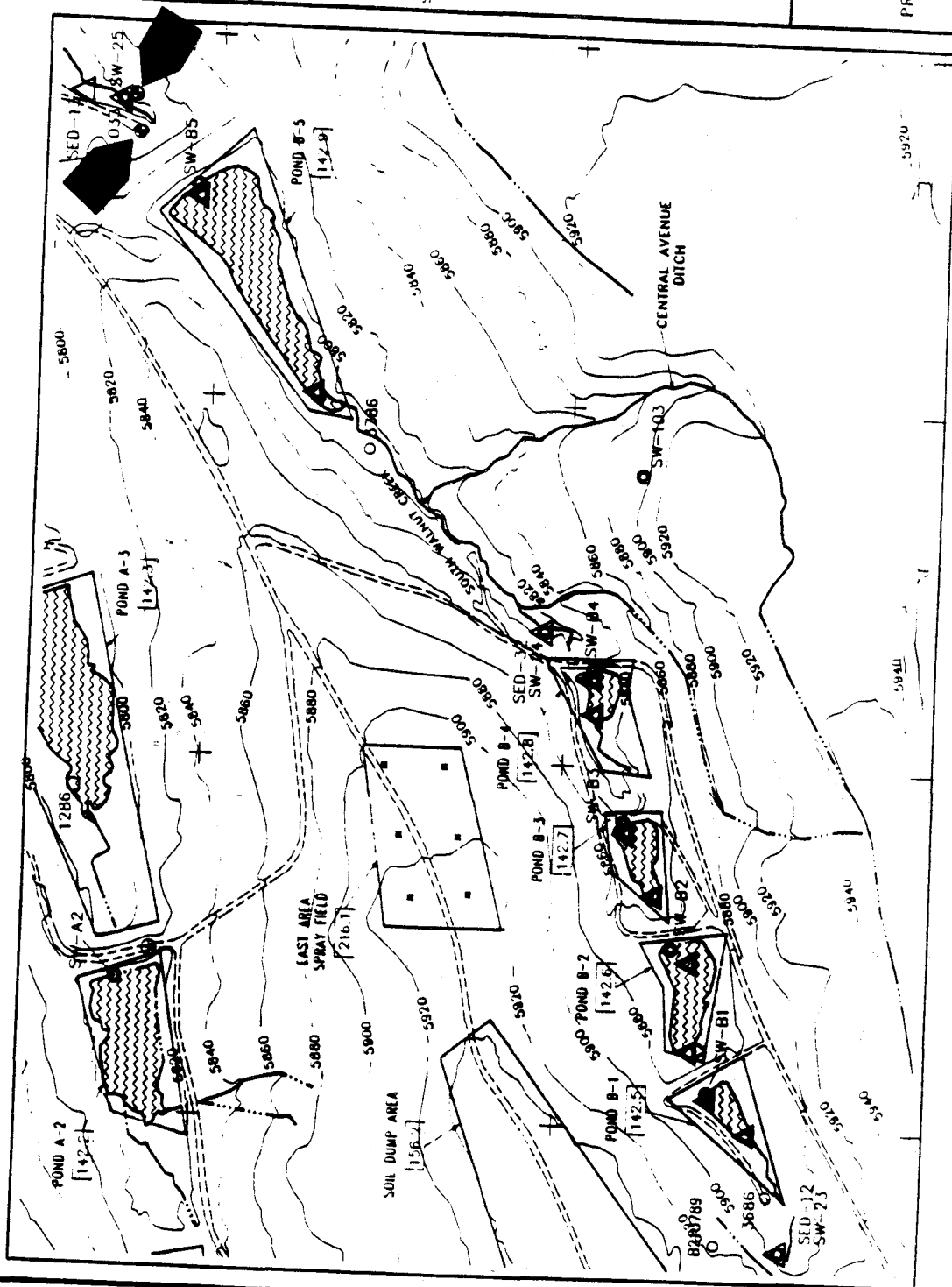
0 150 300
SCALE: 1" = 300'

EXPLANATION

- [11'] INDIVIDUAL HAZARDOUS SUBSTANCE SITE
 - SW 1 ○ EXISTING SURFACE WATER SAMPLING LOCATION
 - 5786 ○ EXISTING ALLUVIAL GROUNDWATER MONITORING WELL
 - SED-1/2 △ EXISTING SEDIMENT SAMPLING LOCATION
 - INTERMITTENT STREAM
 - - - DIRT ROAD
 - [RFL] ROCKY FLATS BLDG. NO.
 - PROPOSED WELL LOCATION¹
 - PROPOSED BORING AND SURFACE SAMPLE¹ LOCATION
 - △ PROPOSED SEDIMENT SAMPLE LOCATION^{1,2}
 - ⊕ PROPOSED BEDROCK WELL LOCATIONS FOR SITE-WIDE GEOLOGICAL CHARACTERIZATION PROGRAM¹
- ¹ ALL PROPOSED LOCATIONS ARE APPROXIMATE
² THREE OTHER LOCATIONS IN EACH POND WILL BE SELECTED AT RANDOM

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PROPOSED SAMPLING & WELL LOCATIONS
IHSS 142.5-9,
B-SERIES DETENTION PONDS
ALONG SOUTH WALNUT CREEK
IHSS 216.1 EAST AREA SPRAY FIELD



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EXPLANATION

- INDIVIDUAL HAZARDOUS SUBSTANCE SITE (IHSS) IN OPERABLE UNIT 6
- IHSS REFERENCE NUMBER
- EXISTING SURFACE WATER SAMPLING LOCATION
- EXISTING SEDIMENT SAMPLE LOCATION
- PERIMETER SECURITY ZONE
- DIRT ROAD
- PROPOSED LOCATIONS FOR SEDIMENT SAMPLES¹
- PROPOSED BEDROCK WELL LOCATIONS FOR SITE-WIDE GEOLOGICAL CHARACTERIZATION PROGRAM¹

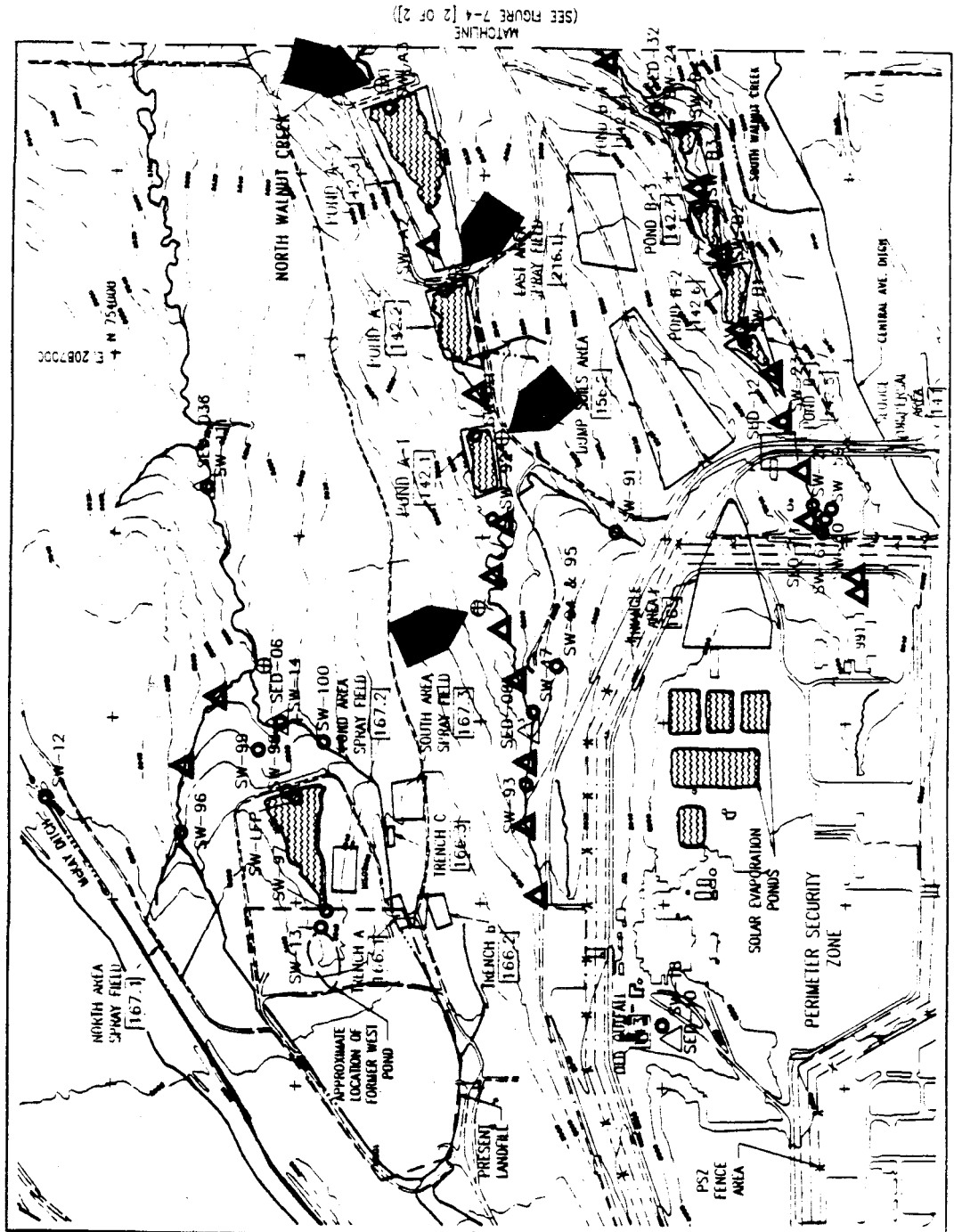
¹ ALL PROPOSED LOCATIONS ARE APPROXIMATE

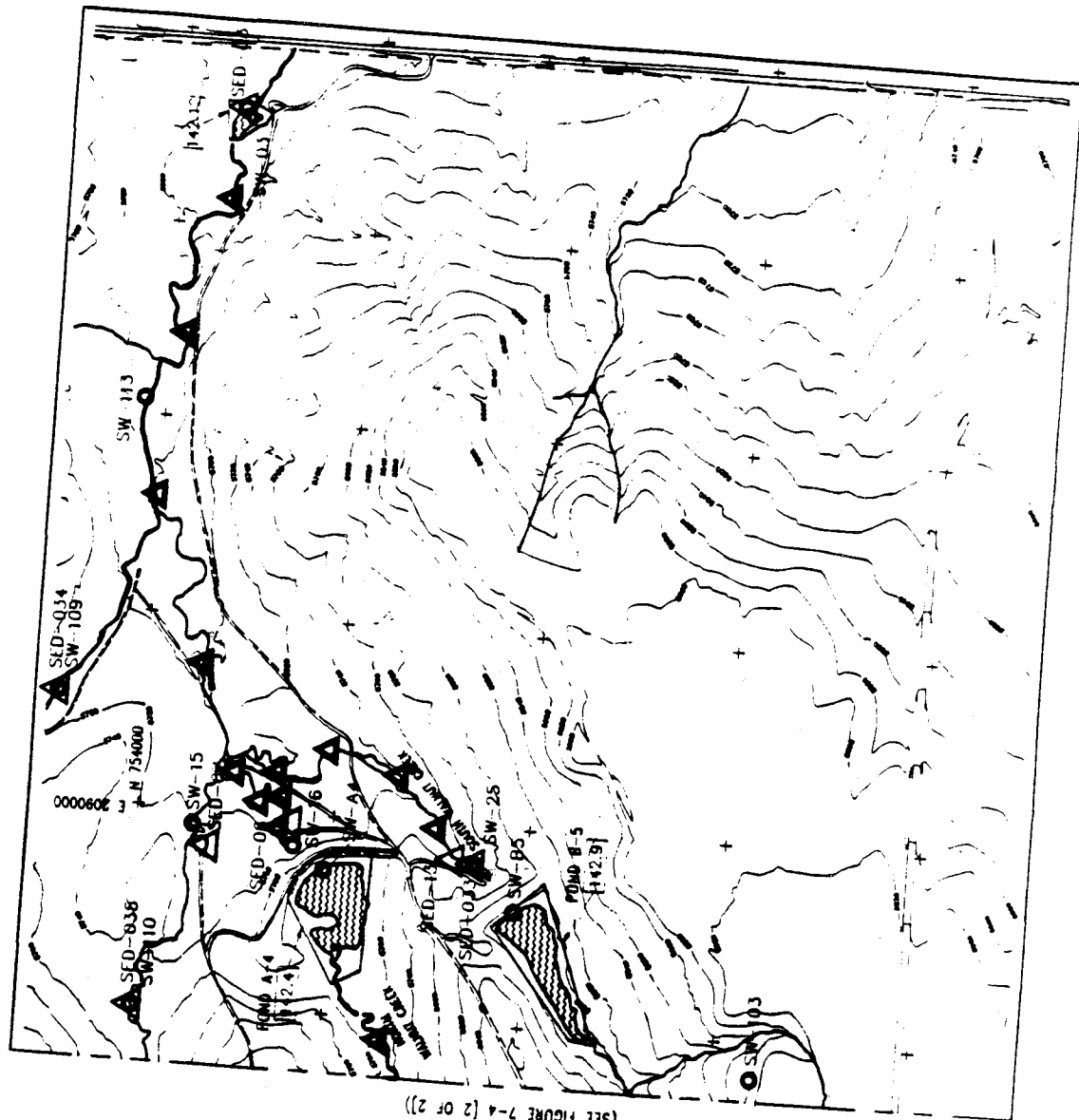
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Rocky Flats Plant, Golden, Colorado

OPERABLE UNIT 6
PHASE 1 RFI/RI WORK PLAN
SEDIMENT SAMPLING SITES AND
SITE-WIDE PROGRAM BEDROCK WELLS
ON NORTH AND SOUTH
WALNUT CREEKS

Figure 11

APRIL 1991





MATCHLINE
(SEE FIGURE 7-4 [2 OF 2])

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N

0 300 600
SCALE: 1" = 600'

EXPLANATION



INDIVIDUAL HAZARDOUS SUBSTANCE SITE
(IHSS) IN OPERABLE UNIT 6

1115

IHSS REFERENCE NUMBER

SW-1

EXISTING SURFACE WATER SAMPLING LOCATION

EXISTING SEDIMENT SAMPLE LOCATION

DIRT ROAD

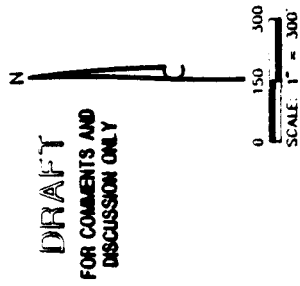
PROPOSED LOCATIONS FOR SEDIMENT SAMPLES¹

ALL PROPOSED LOCATIONS ARE APPROXIMATE

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OPERABLE UNIT 6
PHASE 1 RFI/RI WORK PLAN

SEDIMENT SAMPLING SITES AND
SITE-WIDE PROGRAM BEDROCK WELLS
ON NORTH AND SOUTH
WALNUT CREEKS



EXPLANATION

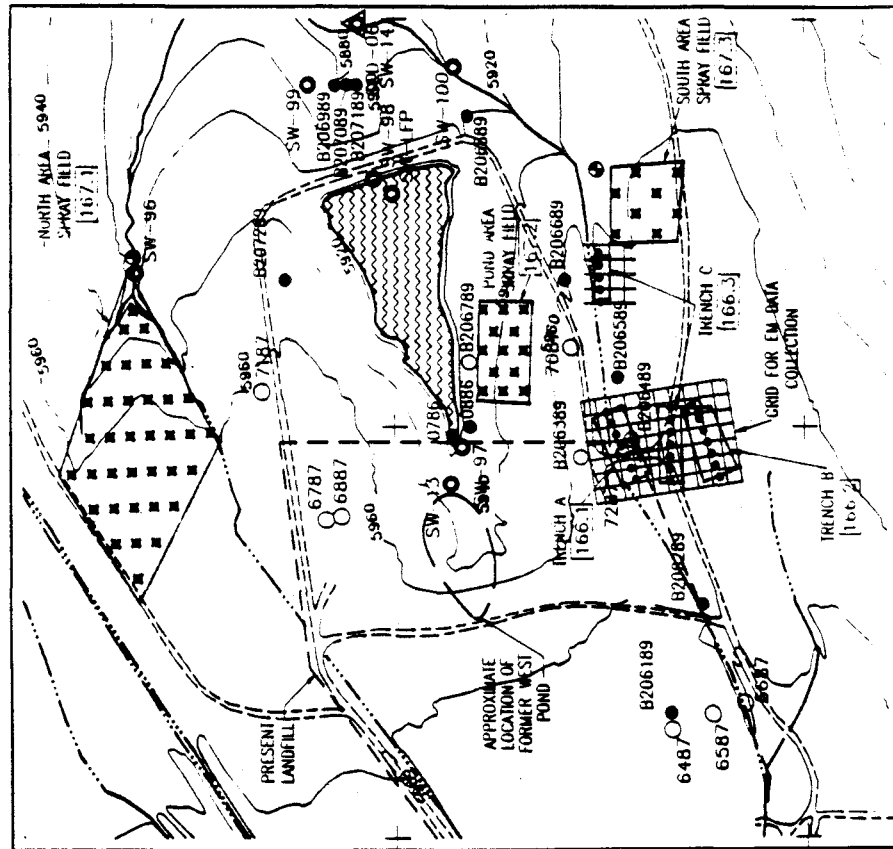
- INDIVIDUAL HAZARDOUS SUBSTANCE SITE
- EXISTING SURFACE WATER SAMPLING LOCATION
- EXISTING ALLUVAL GROUNDWATER MONITORING WELL
- EXISTING SEDIMENT SAMPLING LOCATION
- EXISTING BEDROCK GROUNDWATER MONITORING WELL
- INTERMITTENT STREAM
- DIRT ROAD
- PROPOSED SOIL BORING LOCATION¹
- PROPOSED WELL LOCATION¹
- PROPOSED BORING AND SURFACE SAMPLE LOCATION¹
- PROPOSED ELECTROMAGNETIC SURVEY LINE LOCATION¹

¹ALL PROPOSED LOCATIONS ARE APPROXIMATE

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OPERABLE UNIT 6
PHASE 1 RFI/RI WORK PLAN

PROPOSED SAMPLING & WELL LOCATIONS
IHSSs 166.1-3, TRENCHES A, B, & C
IHSSs 167.1-3 NORTH AREA,
POND AREA AND SOUTH AREA



Preliminary information from the U. S.
Army Corps of Engineers shows no flood
plain for the drainageways on this map.

